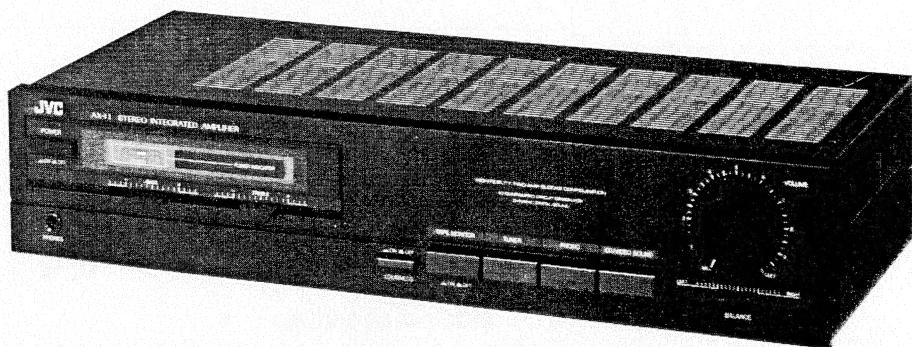


JVC

SERVICE MANUAL

STEREO INTEGRATED AMPLIFIER

MODEL No. AX-11BK



Contents

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Instruction Book		Connection Diagram	Insertion
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This manual combines two single volumes; Service manual and Parts list.

No. 2924
Apr. 1986

Safety Precautions

- The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of the service manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in the service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in the service manual may create shock, fire, or other hazards.
- The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.
- Leakage current check**
(Electrical shock hazard testing)
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the pro-

duct is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
- Alternate check method.**
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a $0.15\mu\text{F}$ AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).

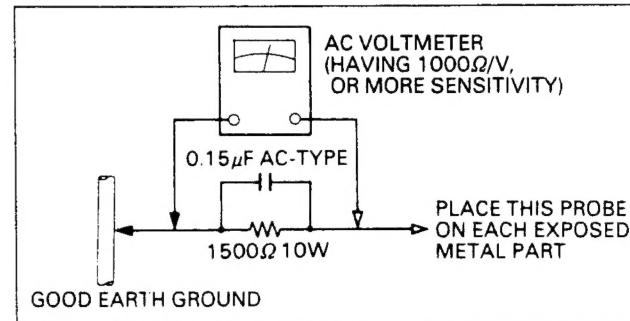
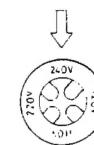


Fig. 1

CHECKING YOUR LINE VOLTAGE (Except for U.S.A., Canada, U.K., Continental Europe and Australia)

Before inserting the power plug, please check this setting to see that it corresponds with the line voltage in your area. If it doesn't be sure to adjust the voltage selector switch to the proper setting before operating this equipment. The voltage selector switch is located on the rear panel.

CAUTION: Before setting the "Voltage selector switch" to the proper voltage, disconnect the power plug.



Removal and Reassembly Procedures

■ Removal of the Main P.C. Board

1. Remove the metal cover.
2. Remove screws ① and ② on the P.C. board

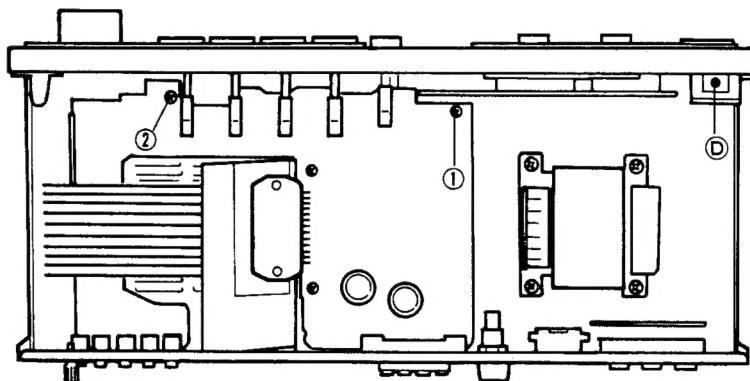


Fig. 2

3. Remove screws ③ ~ ⑧ on the rear panel shown in Fig. 3.

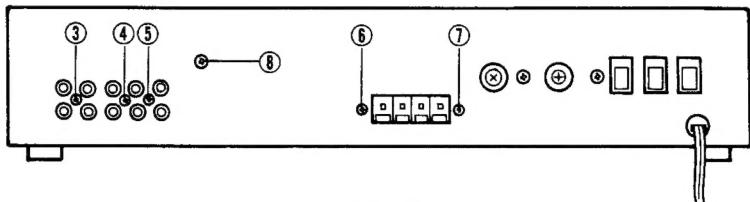


Fig. 3

4. Remove screws ④ ~ ⑦ and plastic rivet ⑩ to set the front panel free. (Fig. 2, Fig. 4)
5. Remove screws ⑨ ~ ⑫ on the bottom side shown in Fig. 4.

Note:

As three types of fixing screw are used for the base, make sure the screws are correct when reinstalling.

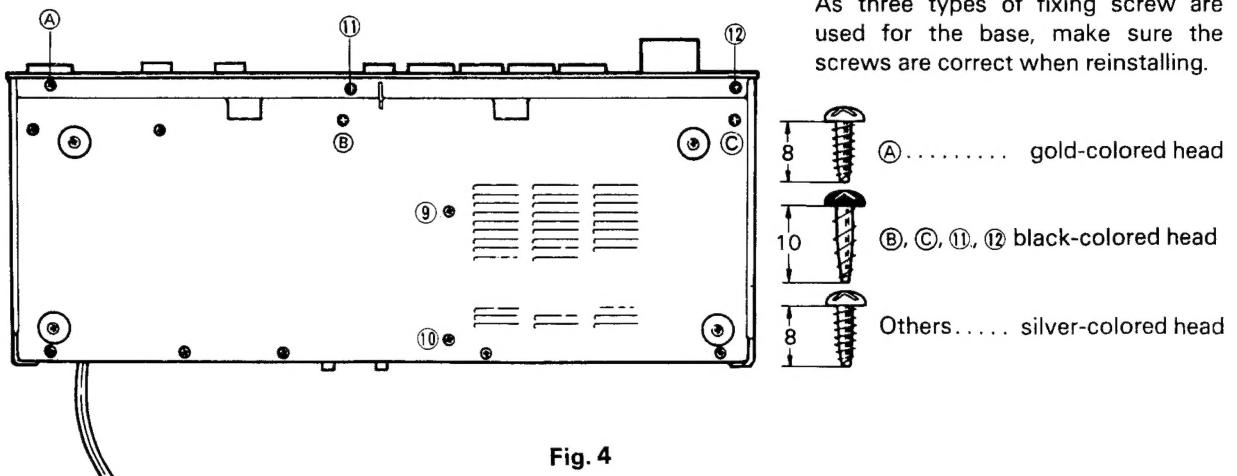
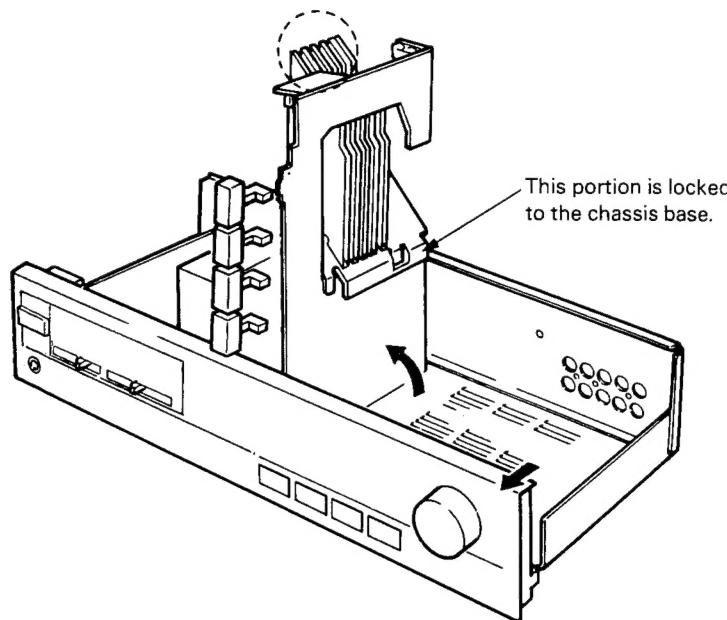


Fig. 4

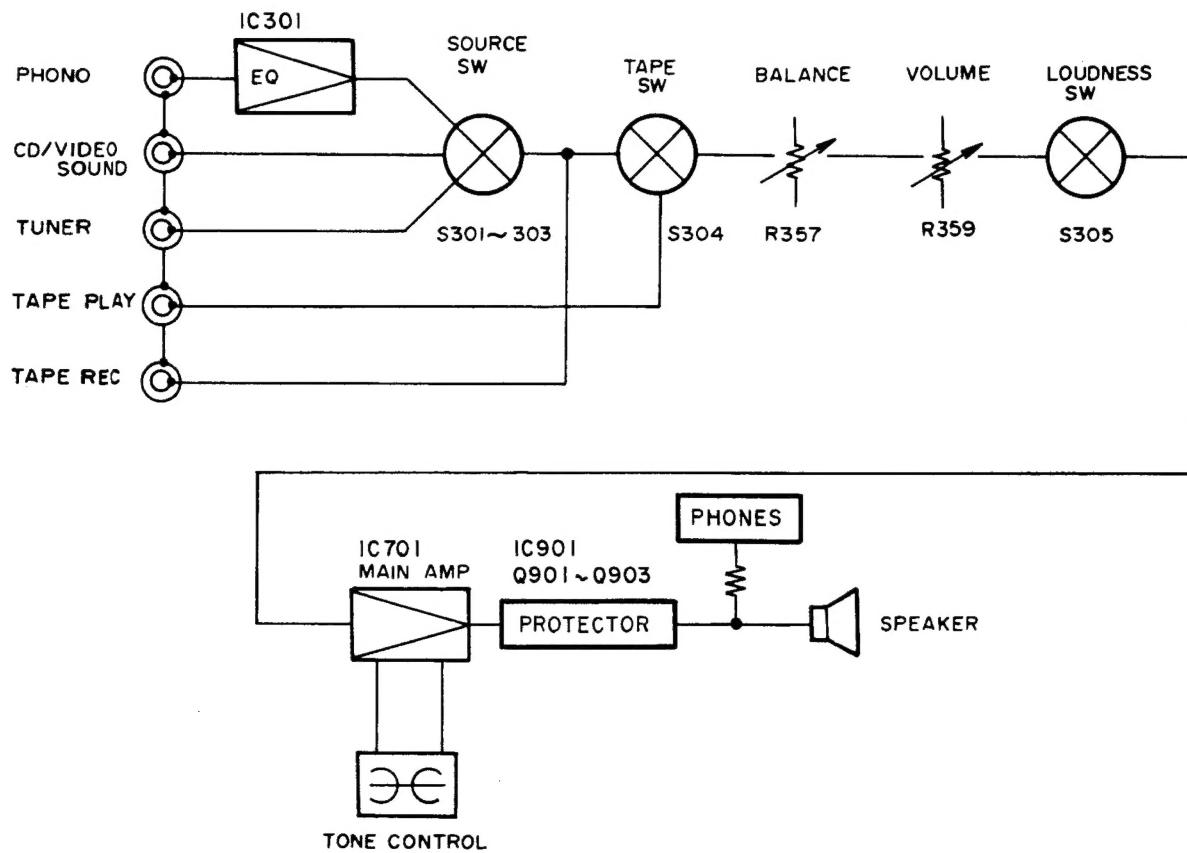
6. Slightly pull the front panel forward to raise the P.C. board as shown in Fig. 5.



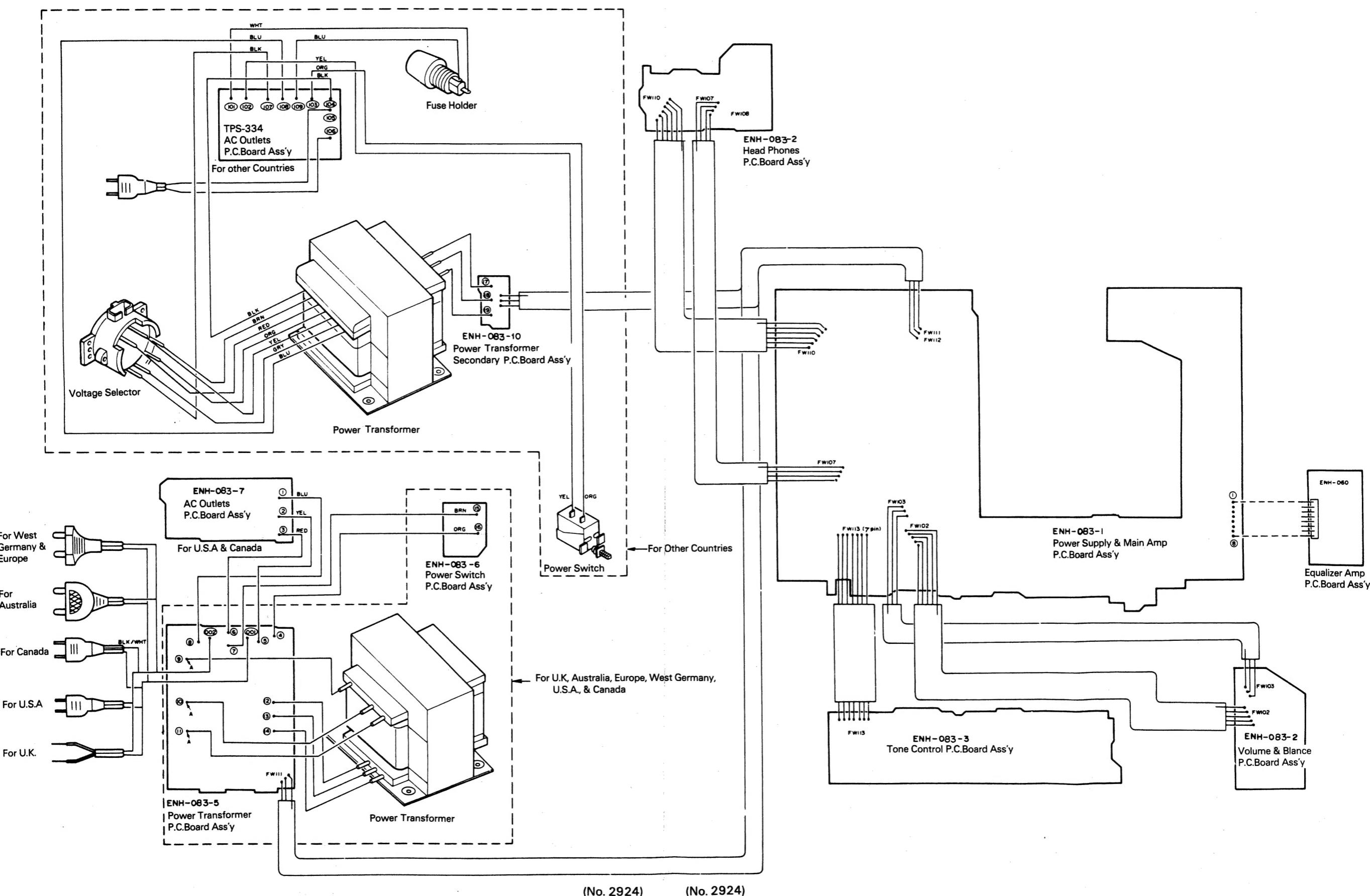
Note: Care should be taken not to deform the part of the heat sink indicated by () when pulling out the P.C. board. Otherwise, it may result in reducing the efficiency of heat dissipation.

Fig. 5

Block diagram



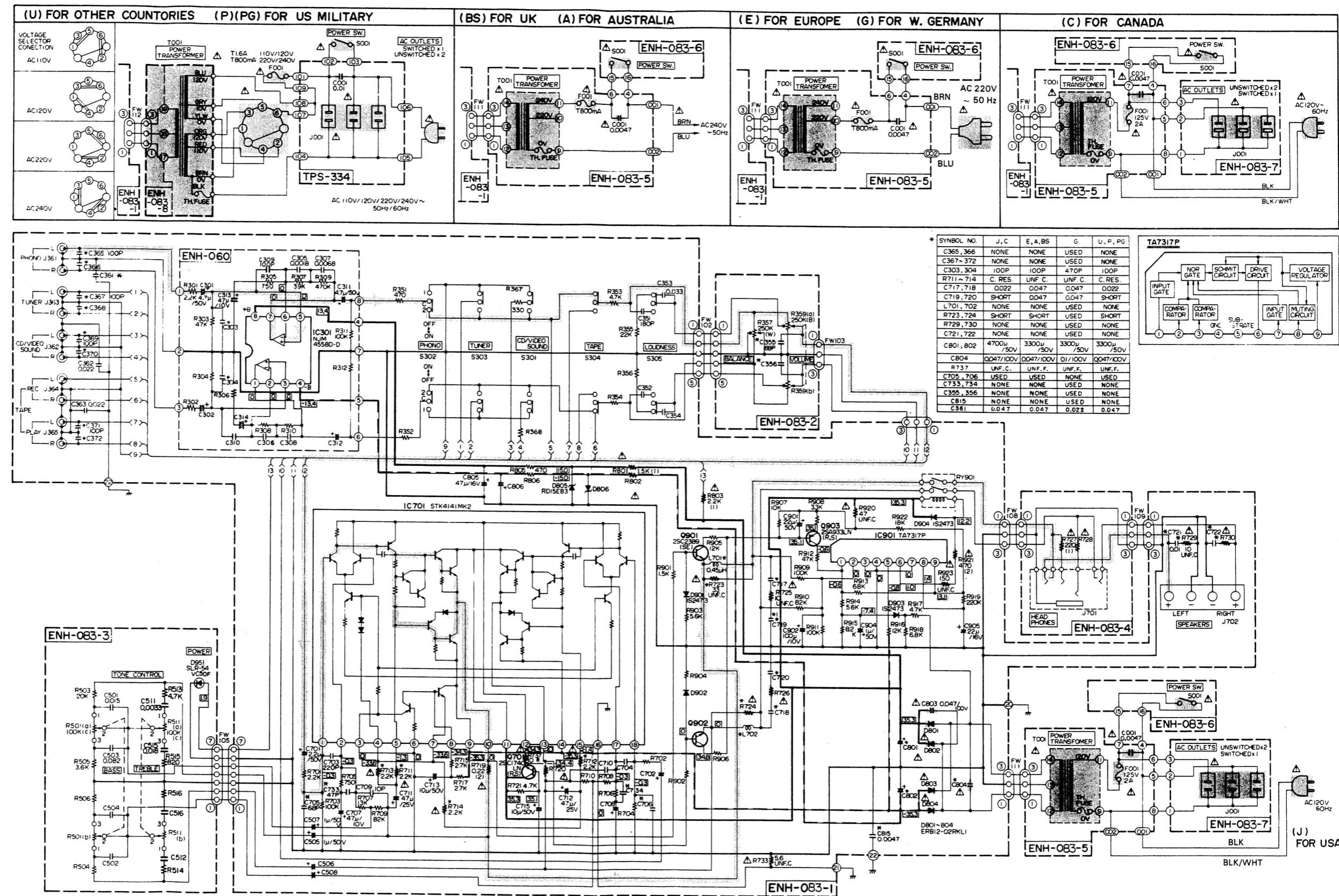
Connection Diagram



(No. 2924)

(No. 2924)

Schematic Diagram



Notes:

1. — indicates positive B power supply.
 2. ----- indicates negative B power supply.
 3.  indicates signal path.
 4.  shows DC voltage to the chassis with no signal input.
 5. When replacing the parts in the darkened area () and those marked with , be sure to use the designated parts to ensure safety.
 6. This is the standard circuit diagram.
 The design and contents are subject to change without notice.

The design and contents are subject to change without notice.

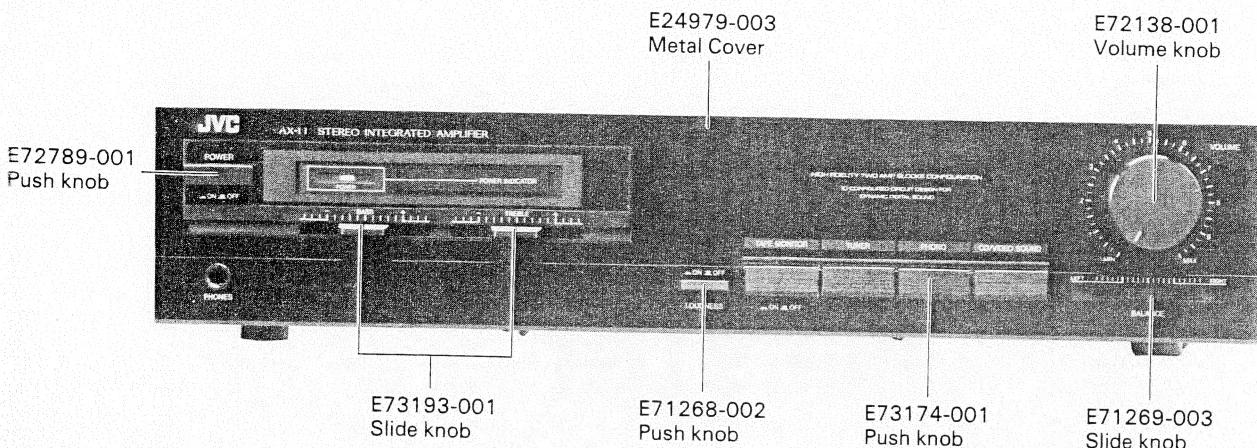
PARTS LIST

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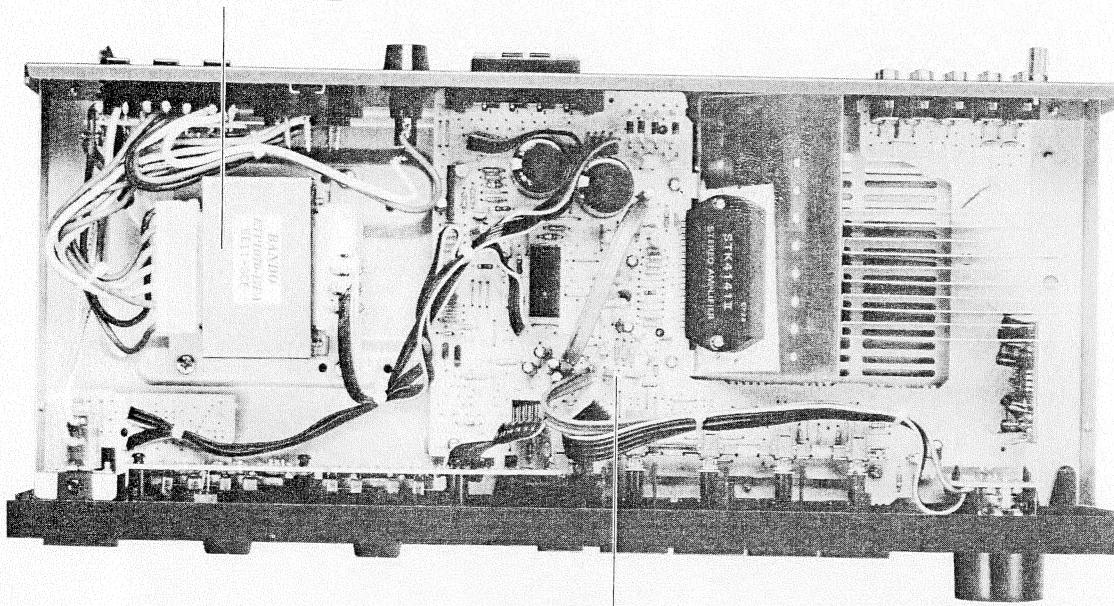
Main Parts Location

■ Front View



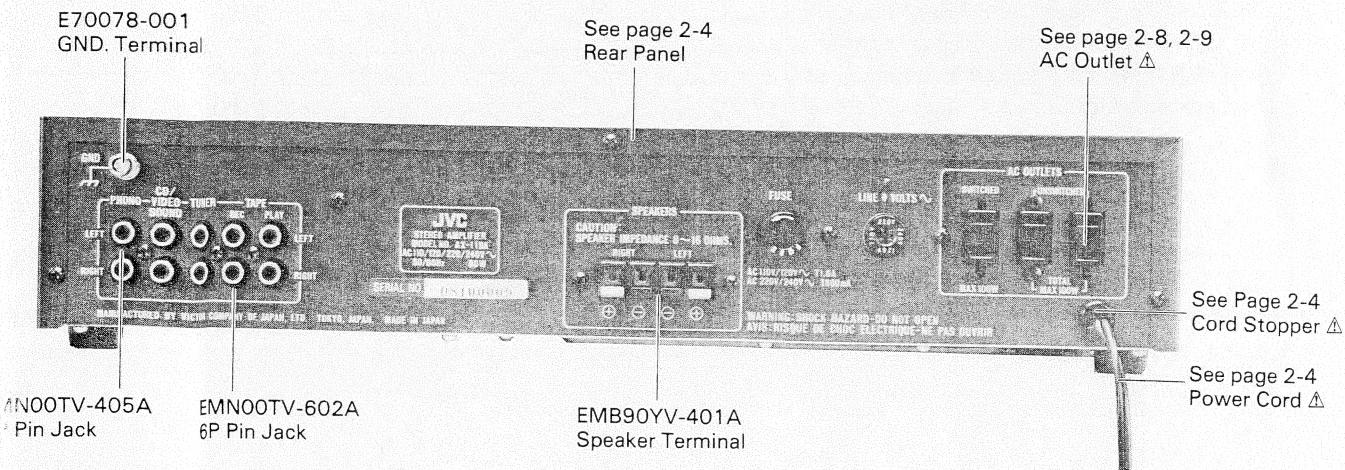
■ Top View

See page.
Power Transformer \triangle



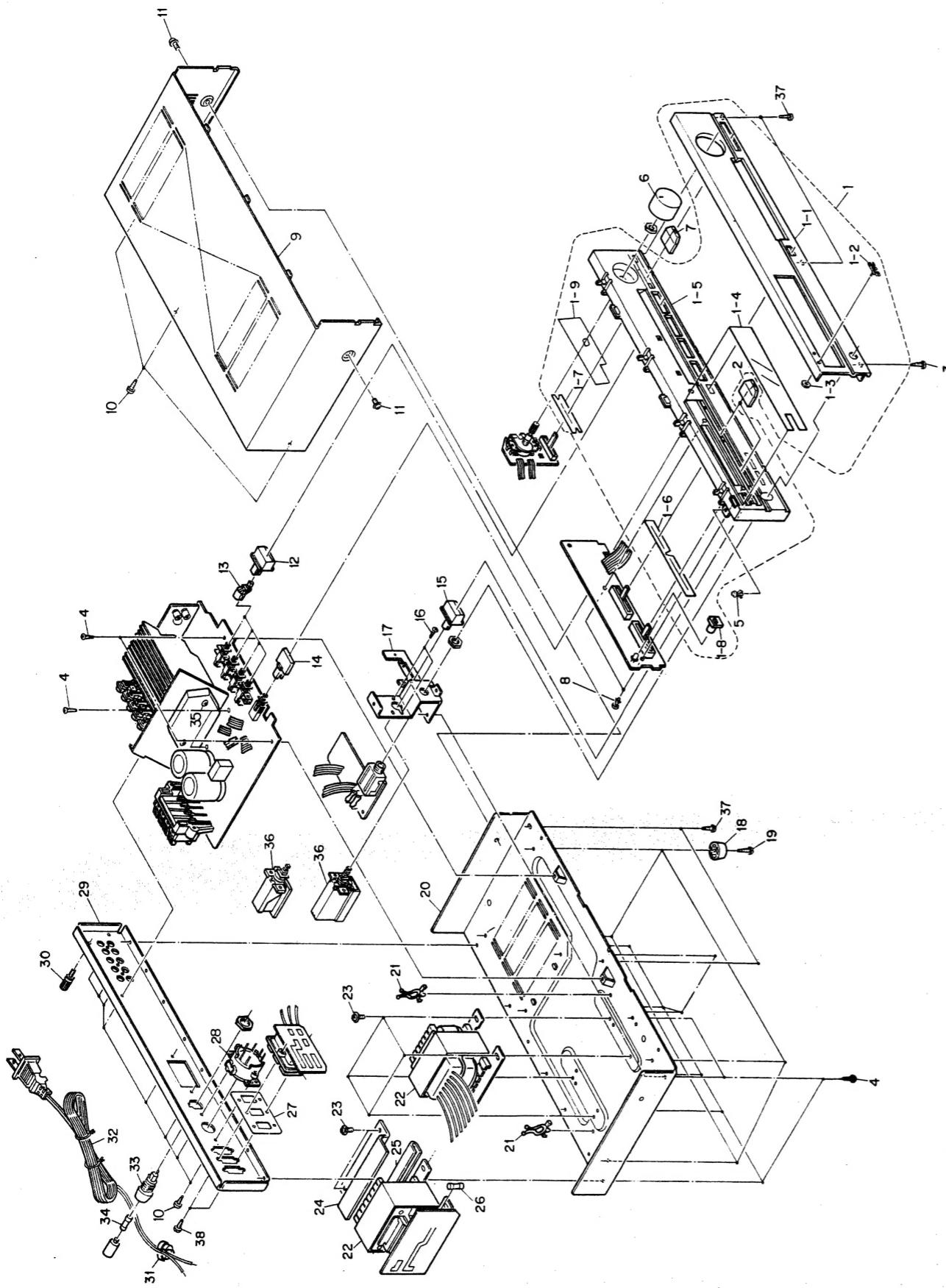
ENH-083 □
Main Amp. PC Board Ass'y

■ Rear View



\triangle : Safety Parts

Exploded View and Part List



■ Parts List

△	Item No.	Part Number	Part Name	Q'ty	Description	Areas
△	1	EFP-AX11BKE	Front Panel Ass'y	1		
1-1		E25348-002	Front Panel	1		
1-2		E72968-001	JVC Mark	1		
1-3		E60912-003	Speed Nut	1		
1-4		E304234-002	Screen	1		
△	1-5	E11298-002	Front Base	1		
1-6		E73176-001	Felt Spacer	1		
1-7		E72142-002	Felt Spacer	1		
1-8		E72153-001	Indicator	1		
1-9		E72353-001	Sheet	1		
△	2	E73193-001	Slide Knob	2		
3		SBSB3008Z	Screw	1		
4		SBSB3008N	Screw	11		
5		E48729-009	Plastic Rivet	1		
6		E72138-001	Volume Knob	1		
△	7	E71269-003	Slide Knob	1		
8		E48729-007	Plastic Rivet	3		
9		E24979-003	Metal Cover	1		
10		SBSB3008M	Screw	13		
11		E61660-004	Screw	2		
△	12	E73174-001	Push Knob	4		
13		E71235-001	Push Shaft	4		
14		E71268-002	Push Knob	1		
15		E72789-001	Push Knob	1		
16		SBST3006Z	Screw	2		
△	17	E304233-002	Bracket	1		
18		E47227-012	Foot	4		
19		SBSB3010N	Screw	4		
20		E11117-002	Chassis Base	1		
21		QHW2052-001	Wire Clamp	2		
△	22	ETP1070-17JA	Power Transformer	1		J, C
△		ETP1070-17FA	Power Transformer	1		U, P, PG
△		ETP1070-17EA	Power Transformer	1		E, A, G
△	23	ETP1070-17EABS	Power Transformer	1		BS
△		E65389-002	Screw	4		
△	24	E72347-001	Bracket	1		J, C
△	25	E72352-001	Spacer	1		J, C
△	26	QMF51U1-2R0	Fuse	1		J, C
△		QMF51A2-R80S	Fuse	1		BS
△		QMF51E2-R80SBS	Fuse	1		
△	27	E69589-010	Spacer	1		J
△	28	QSR0085-008U	Voltage Selector	1		U, P, PG
△	29	E24977-023	Rear Panel	1		J, C
△		E24977-024	Rear Panel	1		E, A, G, BS
△		E24977-025	Rear Panel	1		U, P, PG
△	30	E70078-001	GND. Terminal	1		
△	31	QHS3876-162	Cord Stopper	1		Except BS
△		QHS3876-162BS	Cord Stopper	1		BS
△	32	QMP1340-200	Power Cord	1		C, J
△		QMP7600-200	Power Cord	1		U, P, PG
△		QMP3900-200	Power Cord	1		E, G
△		QMP2560-244	Power Cord	1		A
△		QMP9017-008BS	Power Cord	1		U, P, PG
△	33	QMG0301-003	Fuse Holder	1		U, P, PG
△	34	QMF51A2-R80S	Fuse	1		U, PG

△	Item No.	Part Number	Part Name	Q'ty	Description	Areas
△	35	QMF51A2-1R6S SBSA3014Z	Fuse Screw	1 2		P
△	36	QSP1106-004	Power Switch	1		Except BS
△	37	QSP1106-004BS SBSF3010M	Power Switch Screw	1 4		BS E, G
	— 38	E302723-037 SDSB3008M	Rating Label Screw	4 2		E,G

⚠: Safety Parts

The Marks for Designated Areas

J..... U.S.A.

C..... Canada

E Europe

G..... West Germany

BS..... U.K.

P. PG..... U.S. Military Market

Other Countries

No marks indicates all areas

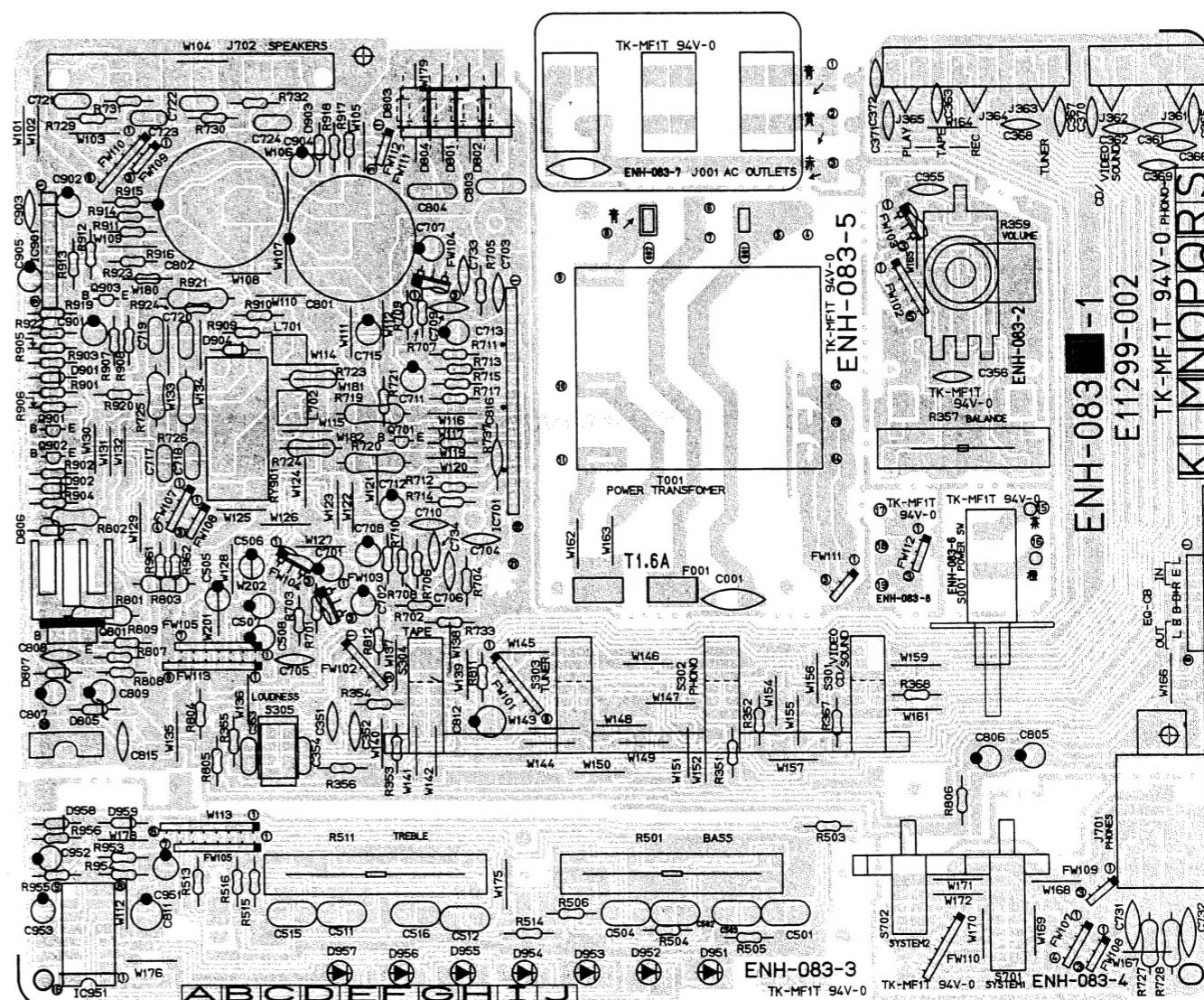
Printed Circuit Board Ass'y and Parts List

■ ENH-083 □ Main Amp. PC Board Ass'y

Note: ENH-083 □ Varies according to the areas employed. See note (1) when placing on order.

Note (1)

P.C. Board Ass'y	Designated Areas
ENH-083 <input type="checkbox"/>	U.S.A & Canada
ENH-083 <input checked="" type="checkbox"/>	U.S.Military Market & Other Countries
ENH-083 <input type="checkbox"/>	Europe
ENH-083 <input type="checkbox"/>	U.K.
ENH-083 <input type="checkbox"/>	Australia
ENH-083 <input type="checkbox"/>	West Germany



TRANSISTOR

△	ITEM	PART NUMBER	DESCRIPTION	AREA	MAKER
	Q701	2SC1740LN(R,S)	SILICON	ROHM	
	Q901	2SC2389(S,E)	SILICON	ROHM	
	Q902	2SC2389(S,E)	SILICON	ROHM	
	Q903	2SA933LN(R,S)	SILICON	ROHM	

△ : SAFETY PARTS

I. C. S

△	ITEM	PART NUMBER	DESCRIPTION	AREA	MAKER
	IC701	STK4141MK2	I.C.	SANYO	
	IC901	TA7317P	I.C.	TOSHIBA	

△ : SAFETY PARTS

DIODES

△	ITEM	PART NUMBER	DESCRIPTION	AREA	MAKER
	D801	ERB12-02RKL1	SILICON		
	D802	ERB12-02RKL1	SILICON		
	D803	ERB12-02RKL1	SILICON		
	D804	ERB12-02RKL1	SILICON		
	D805	RD15EB3	ZENER	NEC	
	D806	RD15EB3	ZENER	NEC	
	D901	1S2473	SILICON	ROHM	
	D902	1S2473	SILICON	ROHM	
	D903	1S2473	SILICON	ROHM	
	D904	1S2473	SILICON	ROHM	
	D951	SLR-54VC50F165	L.E.D.	ROHM	

△ : SAFETY PARTS

CAPACITORS

△	ITEM	PART NUMBER	DESCRIPTION	AREA
	C001	QCZ9019-472	4700PF	CERAMIC B
	C001	QCZ9019-472	4700PF	CERAMIC E
	C001	QCZ9019-472	4700PF	CERAMIC FBS
	C001	QCZ9019-472	4700PF	CERAMIC G
	C001	QCZ9019-472	4700PF	CERAMIC H
	C351	QCS21HJ-181	180PF	50V CERAMIC
	C352	QCS21HJ-181	180PF	50V CERAMIC
	C353	QFN81HK-333	0.033MF	50V MYLAR
	C354	QFN81HK-333	0.033MF	50V MYLAR
	C355	QCS21HJ-680	68PF	50V CERAMIC H
	C356	QCS21HJ-680	68PF	50V CERAMIC H
	C361	QCF21HP-223	0.022MF	50V CERAMIC H
	C361	QCF21HP-473	0.047MF	50V CERAMIC B
	C361	QCF21HP-473	0.047MF	50V CERAMIC C
	C361	QCF21HP-473	0.047MF	50V CERAMIC E
	C361	QCF21HP-473	0.047MF	50V CERAMIC FBS
	C361	QCF21HP-473	0.047MF	50V CERAMIC G
	C362	QCF21HP-223	0.022MF	50V CERAMIC H
	C363	QCF21HP-223	0.022MF	50V CERAMIC H
	C365	QCS21HJ-101	100PF	50V CERAMIC H
	C366	QCS21HJ-101	100PF	50V CERAMIC H
	C367	QCS21HJ-101	100PF	50V CERAMIC H
	C368	QCS21HJ-101	100PF	50V CERAMIC H
	C369	QCS21HJ-101	100PF	50V CERAMIC H
	C370	QCS21HJ-101	100PF	50V CERAMIC H
	C371	QCS21HJ-101	100PF	50V CERAMIC H
	C372	QCS21HJ-101	100PF	50V CERAMIC H
	C501	QFN81HK-153	0.015MF	50V MYLAR
	C502	QFN81HK-153	0.015MF	50V MYLAR
	C503	QFN81HK-823	0.082MF	50V MYLAR
	C504	QFN81HK-823	0.082MF	50V MYLAR
	C505	QETB1HM-105	1MF	50V ELECTRO
	C506	QETB1HM-105	1MF	50V ELECTRO
	C507	QETB1HM-105	1MF	50V ELECTRO
	C508	QETB1HM-105	1MF	50V ELECTRO

△ : SAFETY PARTS

CAPACITORS

△	ITEM	PART NUMBER	DESCRIPTION	AREA
	C511	QFN81HK-332	3300PF	50V MYLAR
	C512	QFN81HK-332	3300PF	50V MYLAR
	C515	QFN81HK-183	0.018MF	50V MYLAR
	C516	QFN81HK-183	0.018MF	50V MYLAR
	C701	QETB1HM-225	2.2MF	50V ELECTRO
	C702	QETB1HM-225	2.2MF	50V ELECTRO
	C703	QCS21HJ-221	220PF	50V CERAMIC
	C704	QCS21HJ-221	220PF	50V CERAMIC
	C705	QCS21HJ-680	68PF	50V CERAMIC B
	C705	QCS21HJ-680	68PF	50V CERAMIC C
	C705	QCS21HJ-680	68PF	50V CERAMIC E
	C705	QCS21HJ-680	68PF	50V CERAMIC FBS
	C705	QCS21HJ-680	68PF	50V CERAMIC G
	C706	QCS21HJ-680	68PF	50V CERAMIC B
	C706	QCS21HJ-680	68PF	50V CERAMIC C
	C706	QCS21HJ-680	68PF	50V CERAMIC E
	C706	QCS21HJ-680	68PF	50V CERAMIC FBS
	C706	QCS21HJ-680	68PF	50V CERAMIC G
	C707	QETB1AM-476	47MF	10V ELECTRO
	C708	QETB1AM-476	47MF	10V ELECTRO
	C709	QCS21HJ-100	10PF	50V CERAMIC
	C710	QCS21HJ-100	10PF	50V CERAMIC
	C711	QETB1EM-476	47MF	25V ELECTRO
	C712	QETB1EM-476	47MF	25V ELECTRO
	C713	QETB1HM-106	10MF	50V ELECTRO
	C715	QETB1HM-106	10MF	50V ELECTRO
	C717	QFN81HK-223	0.022MF	50V MYLAR
	C717	QFN81HK-223	0.022MF	50V MYLAR
	C717	QFN81HK-473	0.047MF	50V MYLAR
	C717	QFN81HK-473	0.047MF	50V MYLAR
	C717	QFN81HK-473	0.047MF	50V MYLAR
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	C718	QFN81HK-473	0.047MF	50V MYLAR
	C718	QFN81HK-473	0.047MF	50V MYLAR
	C718	QFN81HK-473	0.047MF	50V MYLAR
	C718	QFN81HK-473	0.047MF	50V MYLAR
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	C718	QFN81HK-473	0.047MF	50V MYLAR
	C718	QFN81HK-473	0.047MF	50V MYLAR
	C719	QFN81HK-473	0.047MF	50V MYLAR
	C719	QFN81HK-473	0.047MF	50V MYLAR
	C719	QFN81HK-473	0.047MF	50V MYLAR
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	C719	QFN81HK-473	0.047MF	50V MYLAR
	C720	QFN81HK-473	0.047MF	50V MYLAR
	C720	QFN81HK-473	0.047MF	50V MYLAR
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	C720	QFN81HK-473	0.047MF	50V MYLAR
	C720	QFN81HK-473	0.047MF	50V MYLAR
	C721	QFN81HK-103	0.01MF	50V MYLAR
	C722	QFN81HK-103	0.01MF	50V MYLAR
	C733	QCS21HJ-470	47PF	50V CERAMIC
	C734	QCS21HJ-470	47PF	50V CERAMIC
	C801	QEZ0061-478	4700MF	50V NON POLE
	C801	QEZ0072-338	3300MF	NON POLE
	C801	QEZ0072-338	3300MF	NON POLE
	C801	QEZ0072-338	3300MF	NON POLE
	C801	QEZ0072-338	3300MF	NON POLE
	C801	QEZ0072-338	3300MF	NON POLE
	C802	QEZ0061-478	4700MF	50V NON POLE
	C802	QEZ0072-338	3300MF	NON POLE
	C802	QEZ0072-338	3300MF	NON POLE
	C802	QEZ0072-338	3300MF	NON POLE
	C802	QEZ0072-338	3300MF	NON POLE
	C802	QEZ0072-338	3300MF	NON POLE
	C803	QFM82AK-473	0.047MF	100V MYLAR
	C804	QFM82AK-104	0.1MF	100V MYLAR
	C804	QFM82AK-473	0.047MF	100V MYLAR
	C804	QFM82AK-473	0.047MF	100V MYLAR
	C804	QFM82AK-473	0.047MF	100V MYLAR
	C805	QETB1CM-476	47MF	16V ELECTRO
	C806	QETB1CM-476	47MF	16V ELECTRO
	C815	QCY21HK-472	4700PF	50V CERAMIC
	C901	QETB1HM-226	22MF	50V ELECTRO
	C902	QETB1AM-107	100MF	10V ELECTRO
	C904	QETB1HM-105	1MF	50V ELECTRO
	C905	QETB1CM-226	22MF	16V ELECTRO

△ : SAFETY PARTS

RESISTORS

△	ITEM	PART NUMBER	DESCRIPTION	AREA
	R351	QRD148J-471S	470	1/4W CARBON
	R352	QRD148J-471S	470	1/4W CARBON
	R353	QRD148J-472S	4.7K	1/4W CARBON
	R354	QRD148J-472S	4.7K	1/4W CARBON
	R355	QRD148J-223S	22K	1/4W CARBON
	R356	QRD148J-223S	22K	1/4W CARBON
	R357	QVWA01W-EF5E		VARIABLE
	R359	QVN9A3B-5F5V		VARIABLE
	R367	QRD148J-151S	150	1/4W CARBON
	R368	QRD148J-151S	150	1/4W CARBON
	R501	QVUB01C-E15F		VARIABLE
	R503	QRD148J-203S	20K	1/4W CARBON
	R504	QRD148J-203S	20K	1/4W CARBON
	R505	QRD148J-362S	3.6K	1/4W CARBON
	R506	QRD148J-362S	3.6K	1/4W CARBON
	R511	QVUB01C-E15F		VARIABLE
	R513	QRD148J-472S	4.7K	1/4W CARBON
	R514	QRD148J-472S	4.7K	1/4W CARBON
	R515	QRD148J-821S	820	1/4W CARBON
	R516	QRD148J-821S	820	1/4W CARBON
	R701	QRD148J-222S	2.2K	1/4W CARBON
	R702	QRD148J-222S	2.2K	1/4W CARBON
	R703	QRD148J-104S	100K	1/4W CARBON
	R704	QRD148J-104S	100K	1/4W CARBON
	R705	QRD148J-751S	750	1/4W CARBON
	R706	QRD148J-751S	750	1/4W CARBON
	R707	QRD148J-133S	13K	1/4W CARBON
	R708	QRD148J-133S	13K	1/4W CARBON
	R709	QRD148J-823S	82K	1/4W CARBON
	R710	QRD148J-823S	82K	1/4W CARBON
△	R711	QRD145J-222S	2.2K	1/4W UNF.CARBON E
△	R711	QRD145J-222S	2.2K	1/4W UNF.CARBON FBS
△	R711	QRD145J-222S	2.2K	1/4W UNF.CARBON G
△	R711	QRD145J-222S	2.2K	1/4W UNF.CARBON H
△	R711	QRD148J-222S	2.2K	1/4W CARBON B
△	R711	QRD148J-222S	2.2K	1/4W CARBON C
△	R712	QRD145J-222S	2.2K	1/4W UNF.CARBON E
△	R712	QRD145J-222S	2.2K	1/4W UNF.CARBON FBS
△	R712	QRD145J-222S	2.2K	1/4W UNF.CARBON G
△	R712	QRD145J-222S	2.2K	1/4W UNF.CARBON H
△	R712	QRD148J-222S	2.2K	1/4W CARBON B
△	R712	QRD148J-222S	2.2K	1/4W CARBON C
△	R712	QRD148J-222S	2.2K	1/4W CARBON E
△	R712	QRD148J-222S	2.2K	1/4W CARBON FBS
△	R712	QRD148J-222S	2.2K	1/4W CARBON G
△	R712	QRD148J-222S	2.2K	1/4W CARBON H
△	R712	QRD148J-222S	2.2K	1/4W UNF.CARBON B
△	R712	QRD148J-222S	2.2K	1/4W UNF.CARBON C
△	R712	QRD148J-222S	2.2K	1/4W UNF.CARBON E
△	R712	QRD148J-222S	2.2K	1/4W UNF.CARBON FBS
△	R712	QRD148J-222S	2.2K	1/4W UNF.CARBON G
△	R712	QRD148J-222S	2.2K	1/4W UNF.CARBON H
△	R713	QRD145J-222S	2.2K	1/4W UNF.CARBON E
△	R713	QRD145J-222S	2.2K	1/4W UNF.CARBON FBS
△	R713	QRD145J-222S	2.2K	1/4W UNF.CARBON G
△	R713	QRD145J-222S	2.2K	1/4W UNF.CARBON H
△	R713	QRD148J-222S	2.2K	1/4W CARBON B
△	R713	QRD148J-222S	2.2K	1/4W CARBON C
△	R713	QRD148J-222S	2.2K	1/4W CARBON E
△	R713	QRD148J-222S	2.2K	1/4W CARBON FBS
△	R713	QRD148J-222S	2.2K	1/4W CARBON G
△	R713	QRD148J-222S	2.2K	1/4W CARBON H
△	R714	QRD145J-222S	2.2K	1/4W UNF.CARBON B
△	R714	QRD145J-222S	2.2K	1/4W UNF.CARBON C
△	R714	QRD145J-222S	2.2K	1/4W UNF.CARBON E
△	R714	QRD145J-222S	2.2K	1/4W UNF.CARBON FBS
△	R714	QRD145J-222S	2.2K	1/4W UNF.CARBON G
△	R714	QRD145J-222S	2.2K	1/4W UNF.CARBON H
△	R714	QRD148J-222S	2.2K	1/4W CARBON B
△	R714	QRD148J-222S	2.2K	1/4W CARBON C
△	R714	QRD148J-222S	2.2K	1/4W CARBON E
△	R714	QRD148J-222S	2.2K	1/4W CARBON FBS
△	R714	QRD148J-222S	2.2K	1/4W CARBON G
△	R714	QRD148J-222S	2.2K	1/4W CARBON H
△	R715	QRD148J-272S	2.7K	1/4W CARBON
△	R717	QRD148J-272S	2.7K	1/4W CARBON
△	R719	QRX022J-R22AF	0.22	2W M.FILM
△	R720	QRX022J-R22AF	0.22	2W M.FILM
△	R721	QRD148J-272S	2.7K	1/4W CARBON
△	R723	QRD145J-330S	33	1/4W UNF.CARBON H
△	R724	QRD145J-330S	33	1/4W UNF.CARBON H
△	R725	QRD145J-100S	10	1/4W UNF.CARBON H
△	R726	QRD145J-100S	10	1/4W UNF.CARBON H
△	R727	QRG012J-221A	220	1W O.M.FILM
△	R728	QRG012J-221A	220	1W O.M.FILM
△	R729	QRD145J-100S	10	1/4W UNF.CARBON H
△	R730	QRD145J-100S	10	1/4W UNF.CARBON H
△	R733	QRD145J-5R6S	5.6	1/4W UNF.CARBON H
△	R737	QRD145J-100S	10	1/4W UNF.CARBON B
△	R737	QR0062-100	10	1/4W FUSIBLE C
△	R737	QR0062-100	10	1/4W FUSIBLE E
△	R737	QR0062-100	10	1/4W FUSIBLE FBS
△	R737	QR0062-100	10	1/4W FUSIBLE G
△	R737	QR0062-100	10	1/4W FUSIBLE H
△	R801	QRG012J-152A	1.5K	1W O.M.FILM
△	R802	QRG012J-152A	1.5K	1W O.M.FILM
△	R803	QRG012J-222A	2.2K	1W O.M.FILM
△	R805	QRD148J-471S	470	1/4W CARBON
△	R806	QRD148J-471S	470	1/4W CARBON
△	R901	QRD148J-152S	1.5K	1/4W CARBON

RESISTORS

△	ITEM	PART NUMBER	DESCRIPTION	AREA
	R902	QRD148J-152S	1.5K	1/4W CARBON
	R903	QRD148J-562S	5.6K	1/4W CARBON
	R904	QRD148J-562S	5.6K	1/4W CARBON
	R905	QRD148J-123S	12K	1/4W CARBON
	R906	QRD148J-123S	12K	1/4W CARBON
	R907	QRD148J-103S	10K	1/4W CARBON
	R908	QRD148J-332S	3.3K	1/4W CARBON
	R909	QRD148J-104S	100K	1/4W CARBON
	R910	QRD148J-823S	82K	1/4W CARBON
	R911	QRD148J-104S	100K	1/4W CARBON
	R912	QRD148J-473S	4.7K	1/4W CARBON
	R913	QRD148J-683S	68K	1/4W CARBON
	R914	QRD148J-563S	56K	1/4W CARBON
	R915	QRD148J-822S	8.2K	1/4W CARBON
	R916	QRD148J-123S	12K	1/4W CARBON
	R917	QRD148J-472S	4.7K	1/4W CARBON
	R918	QRD148J-682S	6.8K	1/4W CARBON
	R919	QRD148J-224S	220K	1/4W CARBON
△	R920	QRD145J-470S	47	1/4W UNF.CARBON
△	R921	QRG022J-471A	470	2W O.M.FILM
△	R922	QRD148J-183S	18K	1/4W CARBON
△	R923	QRD145J-151S	150	1/4W UNF.CARBON

△ : SAFETY PARTS

OTHERS

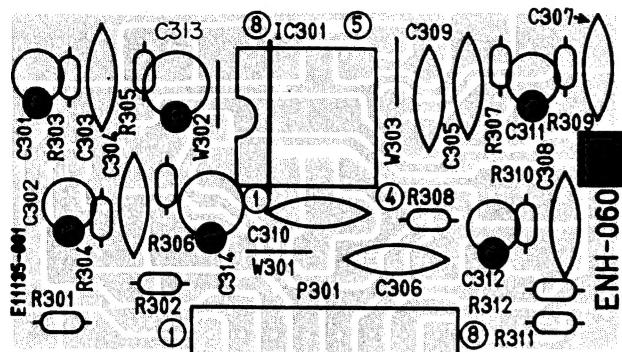
△	ITEM	PART NUMBER	DESCRIPTION	AREA
		EMG7331-001	FUSE CLIP	B
		EMG7331-001	FUSE CLIP	E
		EMG7331-001	FUSE CLIP	FBS
		EMG7331-001	FUSE CLIP	G
		EMG7331-001	FUSE CLIP	H
		ENH-060A	CIRCUIT BOARD ASSY	B
		ENH-060A	CIRCUIT BOARD ASSY	C
		ENH-060A	CIRCUIT BOARD ASSY	E
		ENH-060A	CIRCUIT BOARD ASSY	FBS
		ENH-060A	CIRCUIT BOARD ASSY	G
		ENH-060B	CIRCUIT BOARD ASSY	H
		E11299-002	CIRCUIT BOARD	B
		E11299-002	CIRCUIT BOARD	C
		E11299-002	CIRCUIT BOARD	E
		E11299-002	CIRCUIT BOARD	G
		E11299-002	CIRCUIT BOARD	H
		E11299-002BS	CIRCUIT BOARD	FBS
		E33754-001	TIE BAND	
		E65508-002	TAB	B
		E65508-002	TAB	E
		E65508-002	TAB	FBS
		E65508-002	TAB	G
		E65508-002	TAB	H
		E70859-001	EARTH PLATE	
		E72257-001	EARTH PLATE	
	J001	QMC0638-001	AC SOCKET	B
	J361	EMN00TV-405A	PIN JACK ASSY	
	J362	EMN00TV-405A	PIN JACK ASSY	
	J363	EMN00TV-602A	PIN JACK ASSY	
	J364	EMN00TV-602A	PIN JACK ASSY	
	J365	EMN00TV-602A	PIN JACK ASSY	
	J701	QMS6312-020	JACK ASSY	
	J702	EMB90YV-401A	SPEAKER TERMINAL	
	L701	EQL0001-R45	INDUCTOR	H
△	L702	EQL0001-R45	INDUCTOR	H
△	S001	QSP1106-004	PUSH SWITCH	B
△	S001	QSP1106-004	PUSH SWITCH	E
△	S001	QSP1106-004	PUSH SWITCH	G
△	S001	QSP1106-004	PUSH SWITCH	H
△	S001	QSP1106-004BS	PUSH SWITCH	FBS
	S301	QST94A2-E01	PUSH SWITCH	
	S302	QST94A2-E01	PUSH SWITCH	
	S303	QST94A2-E01	PUSH SWITCH	
	S304	QST94A2-E01	PUSH SWITCH	
	S305	QST9101-E07	PUSH SWITCH	
	RY901	ESK5D24-218	RELAY	

△ : SAFETY PARTS

ENH-060 Equalizer Module PC Board Ass'y

Note: ENH-060 □ varies according to the areas employed. See note (1) when placing an order.

Note (1)

**ICs**

△	Item No.	Part Number	Description		Areas
			Maker		
	IC301	NJM4558D-D	IC	JRC	

Capacitors

△	Item No.	Part Number	Description			Areas
	C301	QETC1HM-475	4.7μF	50V	ELECTRO	A
	C302	QETC1HM-475	4.7μF	50V	ELECTRO	
	C303	QCY31HK-101	100pF	50V	CERAMIC	
	C303	QCY31HK-471	470pF	50V	CERAMIC	
	C304	QCY31HK-101	100pF	50V	CERAMIC	
	C304	QCY31HK-471	470pF	50V	CERAMIC	B
	C305	QCY31HK-182	1800pF	50V	CERAMIC	
	C306	QCY31HK-182	1800pF	50V	CERAMIC	
	C307	QCY31HK-682	6800pF	50V	CERAMIC	
	C308	QCY31HK-682	6800pF	50V	CERAMIC	
	C309	QCY31HK-101	100pF	50V	CERAMIC	
	C310	QCY31HK-101	100pF	50V	CERAMIC	
	C311	QETC1HK-475	4.7μF	50V	ELECTRO	
	C312	QETC1HK-475	4.7μF	50V	ELECTRO	
	C313	QETC1AM-476	47μF	10V	ELECTRO	
	C314	QETC1AM-476	47μF	10V	ELECTRO	

△: Safety Parts

Resistors

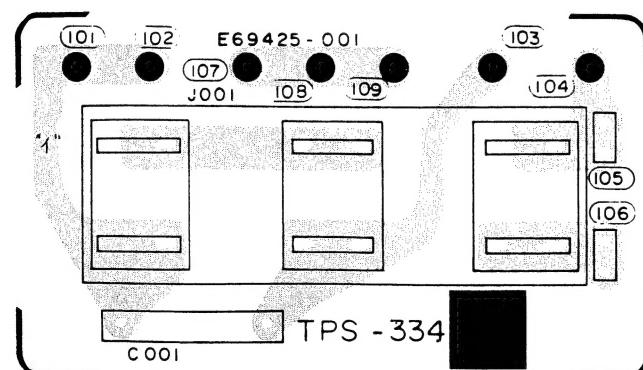
△	Item No.	Part Number	Description			Areas
	R301	QRD161J-222	2.2K	1/6W	CARBON	
	R302	QRD161J-222	2.2K	1/6W	CARBON	
	R303	QRD161J-473	47K	1/6W	CARBON	
	R304	QRD161J-473	47K	1/6W	CARBON	
	R305	QRD161J-751	750	1/6W	CARBON	
	R306	QRD161J-751	750	1/6W	CARBON	
	R307	QRD161J-393	39K	1/6W	CARBON	
	R308	QRD161J-393	39K	1/6W	CARBON	
	R309	QRD161J-475	470K	1/6W	CARBON	
	R310	QRD161J-475	470K	1/6W	CARBON	
	R311	QRD161J-104	100K	1/6W	CARBON	
	R312	QRD161J-104	100K	1/6W	CARBON	

Others

△	Item No.	Part Number	Description		Areas
	P301	EMV5101-008B E11135-001	PLUG ASS'Y CIRCUIT BOARD		

TPS-334 A AC Outlet PC Board Ass'y

(Except for U.S.A., Canada, Europe, West Germany, Australia & U.K)



△	Item No.	Part Number	Description		Areas
△	C001	QFZ9010-103	M. MYLAR		
△		QMC0637-004	3P AC OUT LET		
		E43727-001	TAB		
		E65508-002	TAB		
		E69425-001	CIRCUIT BOARD		

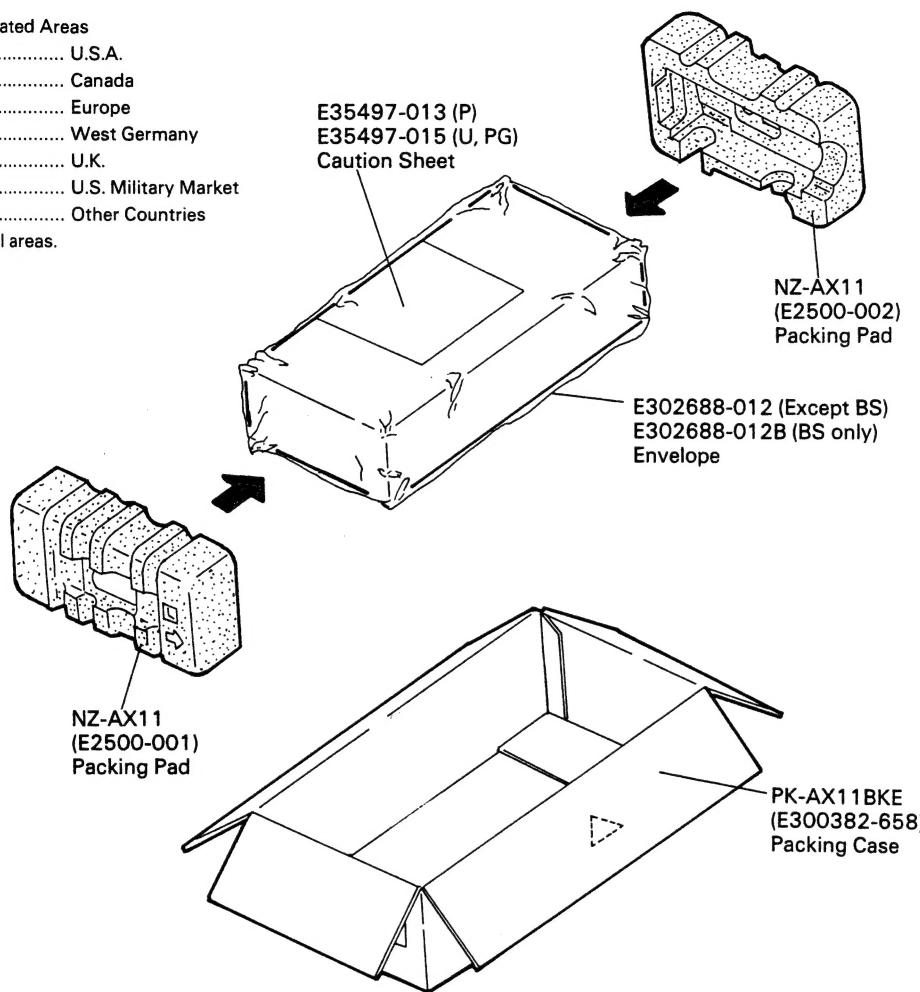
△: Safety Parts

Packing Materials and Part Numbers

The Marks for Designated Areas

J.....	U.S.A.
C.....	Canada
E.....	Europe
G.....	West Germany
BS.....	U.K.
P, PG.....	U.S. Military Market
U.....	Other Countries

No marks indicates all areas.



Accessories List

▲	Part Number	Part Name	Description	Areas
	E30580-1311A E30580-1311ABS BT20048B BT20025H BT20064	Instruction Book Instruction Book Warranty Card Warranty Card Warranty Card		Except BS BS J, P, PG C G
	BT20029C BT20060 BT20044E BT20046B BT20071A	Warranty Card Warranty Card Safety Instruction Sheet Service Information Service Center		A BS J J, P, PG C
▲ ▲	BT20066 QZL1008-001 QMF51A2-1R6S QMF51A2-R80S E66416-003	EEC Agency FTZ Information Sheet Fuse Fuse Envelope		G, BS G U, PG P J
	E41202-2 E41202-2B E6581-4	Envelope Envelope Envelope		Except BS BS U, P, PG

▲ : Safety Parts